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## **List of Attachments**

The following documents are excerpts from the Permittee's RCRA permit application. The listed documents are hereby incorporated, in their entirety, by reference into this permit. These incorporated Attachments are enforceable conditions of this permit as modified by the specific permit conditions.

Attachment 1:	Facility Description.
Attachment 2:	Waste Analysis Plan.
Attachment 3:	Sampling, QA/QC, Analytical
Attachment 4:	Security Procedures and Equipment.
Attachment 5:	Inspection Plan.
Attachment 6A:	Subpart CC Compliance Plan
Attachment 6B:	Subpart BB Compliance Plan
Attachment 7:	Personnel Training
Attachment 8:	Preparedness and Prevention of Hazards
Attachment 9:	Contingency Plan.
Attachment 10:	Closure Plan/Quality Assurance Project Plan (QAPP).
Attachment 11:	CAMDS Facility Drawings.
Attachment 12:	Containers, Storage & Waste Piles
Attachment 13:	Tank Systems
Attachment 14:	Subpart X Units.
Attachment 15:	Incinerator Systems
Attachment 16:	Site Monitoring Plan
Attachment 17:	CEMS.
Attachment 18:	Filter Systems
Attachment 19:	Agent Monitoring Plan
Attachment 20:	RESERVED

<b>Definitions</b>	
For purposes of this permit, the following definitions shall apply:	
<b>Word / Phrase</b>	<b>Permit Definition</b>
"Control Board"	The Utah Solid and Hazardous Waste Control Board.
"Director"	The Director of the Utah Division of Solid and Hazardous Waste.
"Executive Secretary"	The Executive Secretary of the Utah Solid and Hazardous Waste Control Board
"Facility"	All contiguous land; and structures, and other appurtenances, and improvements on the land at the Deseret Chemical Depot.
"GA"	The anticholinesterase agent Tabun with the chemical name of Ethyl N,N-dimethylphosphoramido-cyanidate.
"GB"	The nerve agent Sarin with the chemical name of Isopropylmethylphosphonofluoridate.
"H"	Blister agent mustard prepared through the Levinstein process with the chemical name of Bis(2-chloroethyl) sulfide or 2,2'-dichlorodiethyl sulfide - sulfur mustard.
"HD"	Blister agent mustard that has been purified by washing and vacuum distillation.
"HSWA"	The Hazardous and Solid Waste Amendment of 1984 and 1993.
"HT"	Blister agent mustard that is a 60:40 mixture of HD and T (bis[2(2-chloroethylthio)ethyl] ether).
"L"	The vesicant agent Lewisite with the chemical name dichloro-2-chlorovinylarsine.
"Operating day"	Any fraction of a calendar day when operating any unit under this application.
"RCRA"	The Resource Conservation and Recovery Act of 1976, as amended by HSWA in 1984 and 1993.
"Release"	A spill or discharge of hazardous waste, hazardous constituents, or material that becomes hazardous waste when released to the environment.
"Spill"	The accidental discharging, spilling, leaking, pumping, pouring, emitting, emptying, or dumping of hazardous wastes or materials which, when spilled, become hazardous wastes, into or on any land or water.

"USACAMDS Facility"	Chemical Agent Munitions Disposal System Facility and the Chemical Agent Munition Disposal System laboratory, building 541, and building 4104 and 4105.
"VX"	the nerve agent with the chemical name O-ethyl S- (2-diisopropylaminoethyl) methyphosphonothiolate.
3X	that the item has been surface decontaminated (if required) by locally approved procedures , bagged or contained, and that appropriate tests or monitoring has verified that vapor concentrations 0.003 mg/m <sup>3</sup> for mustard agents, 0.0001 mg/m <sup>3</sup> for agents GA/GB and 0.00001 mg/m <sup>3</sup> for agent VX do not exist. Monitoring is not required for completely decontaminated and disassembled parts that are simply shaped (no crevices, threads, etc.) and are made of essentially impervious materials (simple lab glassware, steel gears, etc.). Reference DA PAM 385-61 <i>Toxic Chemical Agent Safety Standards</i> .
5X	that the item is clean and may be released from Government control without precautions or restrictions. The approved method of achieving 5X level is subjecting items for a sufficient time at a sufficient temperature to completely destroy agent. For disassembled items, heating the items to 1000° F (538° Centigrade) for 15 minutes is considered sufficient. Where items cannot be disassembled to component parts, more time may be required to assure all contaminant is destroyed. 5X condition must be certified by commander's designated representative. Reference DA PAM 385-61 <i>Toxic Chemical Agent Safety Standards</i> . See also <i>Test Report for Chemical Agent (VX, GB, and HD) 5X Decontamination Verification - Test Report No. 32-57a, March 1996</i> .
Acronyms and abbreviations used in this permit shall be defined as designated in the "List of Acronyms" section of this application.	
All definitions contained in R315-1, R315-2, R315-3, R315-8, and R315-9 are hereby incorporated, in their entirety, by reference into this application, except that any of the definitions used above shall supersede any definition of the same term given in R315. Where terms are not defined in the regulations or the permit, the meaning associated with such terms shall be defined in the regulations or the permit, the meaning associated with such terms shall be defined by a standard dictionary reference or the generally accepted scientific or industrial meaning of the term.	

## List Of Acronyms And Abbreviations

Acronym or Abbreviation	Description
ACAMS	Automatic Continuous Air Monitoring System
acfm	actual cubic feet per minute
ADS	Agent Destruction System
AEOC	Alternate Emergency Operations Center
AF	Augmentation Forces
ALF	Agent Loading Facility
AMC	U.S. Army Materiel Command
AMCCOM	U.S. Army Armament, Munitions, and Chemical Command
AMMO OPNS	Ammunition Operations
ANSI	American National Standards Institute
AO	Approval Orders (Air Quality)
APG, MD	Aberdeen Proving Ground, Maryland
AR	Army Regulation
ART	Area Response Team
ASC	Allowable Stack Concentration
ASL	U.S. Army Atmospheric Sciences Laboratory
ASME	American Society of Mechanical Engineers
ASR	Agent Storage Room
ASTM	American Society for Testing and Materials
ATCL	Acetylthiocholine Iodide
ATF / RSF	Auxiliary Test Facility / Residual Storage Facility
BDA	Brine Drying Area
BDS	Bulk Drain Station
BIF	Bulk Item Facility
CAI	Chemical Accident/Incident
CAICO	CAI Control Officer
CAIRA	CAI Response and Assistance
CAIRAP	Chemical Accident/Incident Response and Assistance Plan
CAL	Chemical Assessment Laboratory
CBDCOM	Chemical and Biological Defense Command
CBR	Chemical, Biological, and Radiological
CCS	Calvert Collision Scrubber
CCTV	Closed Circuit Television
CDR AMC	Commander, U.S. Army Materiel Command
CDS	Chemical Distribution System
CEMS	Continuous Emission Monitoring System
CEO	Civilian Executive Officer
cfm	cubic feet per minute
CFR	Code of Federal Regulations
CID	Criminal Investigation Division
CM	Control Module
CML	Chemical Lab
CMO	Control Module Operator

## List Of Acronyms And Abbreviations

Acronym or Abbreviation	Description
COD	Chemical oxygen demand
CPR	Cardiopulmonary Resuscitation
CPRP	Chemical Personnel Reliability Program
CRT	Cathode Ray Tube
CSCP	Contingency & Spill Control Plan
CSDP	Chemical Stockpile Disposal Program
CSO	Chemical Surety Officer
CSS	Contingency Support Staff
CWA	Clean Water Act
DA PAM	Department of the Army Pamphlet
DAAMS	Depot Area Air Monitoring System
DAQ	Department of Air Quality
DATS	Drill and Transfer System
DCD	Deseret Chemical Depot (formerly Tooele Army Depot - South Area)
DCP	Disaster Control Plan
DEAC	Deactivation
Decon	Decontamination
Demil	Demilitarization
DEQ	Department of Environmental Quality
DFS	Deactivation Furnace System
DHHS	Department of Health and Human Services
DOA	Department of the Army
DOD	Department of Defense
DPE	Demilitarization Protective Ensemble
DPG	Dugway Proving Grounds
DQO	Data Quality Objectives
DRE	Destruction and Removal Efficiency
DTNB	5,5"-Dithio Bis-2,211 Nitro Benzoic Acid
DWS	Drinking Water Standard
EA	U.S. Army Edgewood Arsenal or Edgewood Area, Aberdeen Proving Ground
ECC	Explosive Containment Cubicle
ECC/SEG	Explosive Containment Cubicle/Segregation Area
ECR	Explosive Containment Room
ECV	Explosive Containment Vestibule
EEI	Essential Elements of Information
EEPROM	Electrically Erasable Programmable Read Only Memory
EHM	Equipment Hydraulic Modules
EIS	Environmental Impact Statement
ELF	Electric Furnace
EMD	Environmental Management Division
EMDS	Electric Munitions Disposal System (Electric Furnace)
EOC	Emergency Operations Center
EOD	Explosive Ordnance Disposal
EPA	U.S. Environmental Protection Agency

## List Of Acronyms And Abbreviations

Acronym or Abbreviation	Description
ETF	Equipment Test Facility
FBI	Federal Bureau of Investigation, Fluidized Bed Incinerator
FCP	Field Command Post
FCP	Forward Control Point
FR	Federal Register
GA	Tabun, ethyl N, N-dimethylphosphoramidate-cyanidate
GB	Sarin, Isopropylmethylphosphonofluoridate
GC	Gas chromatography
GLD	Gross Level Detector
GPL	General Population Limit
H/L	Hot line
H	Levinstein mustard, bis-(2-chloroethyl) sulfide
HAZ COM	Hazard Communication
HAZWOPER	Hazardous Waste Operations and Emergency Response
HD	Distilled mustard, bis(2-chloroethyl) sulfide
HELP	Hydrological Evaluation of Landfill Performance
HEPA	High Efficiency Particulate Air
HLE	High Level Exposure
HQ	Headquarters
HQAMC	Headquarters, Army Materiel Command
HQDA	Headquarters, Department of the Army
HT	Mixture of bis-(2-chloroethyl sulfide) and bis [2(2-chloroethylthio) ethyl] ether
HW	Hazardous Waste
ID	Identification
IDLH	Immediately Dangerous to Life and Health
IRT	Initial Response Team
ISCP	Installation Spill Contingency Plan
JACADS	Johnston Atoll Chemical Agent Disposal System
L	Lewisite, dichloro-2-chlorovinyl arsine
LIC	Liquid Incinerator
LNSC	Lewisite Neutralization System for CAMDS
LSS	Life Support System
MCC	Motor Control Center
MDC2	Material Decontamination Chamber 2
MDF	Multipurpose Demilitarization Facility
MDF/BIF Airlock	Multipurpose Demilitarization Facility/Bulk Item Facility Airlock
MDF/BIF Loading Area	Multipurpose Demilitarization Facility/Bulk Item Facility Loading Area
MDF Toxic UPA	Multipurpose Demilitarization Facility Toxic Unpack Area
MDM	Multipurpose Demilitarization Machine
MDM/CG	Multipurpose Demilitarization Machine Processing Area/Conveyor Gallery
MET-1	A Response Team--Meteorological Detection
MHA	Munitions Holding Area
MHE	Materiel Handling Equipment
MI	Military Intelligence

## List Of Acronyms And Abbreviations

Acronym or Abbreviation	Description
MIG	Mine Glove Box
MON	Monitors
MPF	Metal Parts Furnace
MPL	Multi Position Loader
MPP	Medical Pickup Point
MSDS	Material Safety Data Sheet
MTF	Material Treatment Facility
NA	North Area
NEPA	National Environmental Policy Act
NETS	Networks
NSE	Neutralization System Effluent (LNSC)
OHA	Operations Holding Area
OPN OFFCR	Operations Officer
OPSEC	Operations Security
OSC	On-Scene Commander
OSHA	Occupational Safety and Health Administration
PA	Public Affairs
PAO	Public Affairs Officer
PAS	Pollution Abatement Systems
PCI	Process Control Industries
PDS	Personnel Decontamination Station
PEL	Permissible Exposure Limit
PLC	Programmable Logic Controller
PMCD	Program Manager for Chemical Demilitarization
PMD	Projectile/Mortar Disassembly Machine
POV	Privately Owned Vehicle
ppb	parts per billion
PPD	Projectile Pull and Drain Machine
PPE	Personal Protective Equipment
ppm	parts per million
ppmb	parts per million by weight
PSC	Personnel Support Complex
psig	pounds per square inch gauge
QA/QC	Quality Assurance/Quality Control
RCRA	Resource Conservation and Recovery Act
RD&D	Research, Development, and Demonstration
RDX	Cyclotrimethylenetrinitramine
RSA	Residual Storage Area
RSM	Rocket, Burst Shear Machine
RTM	Real Time Monitor
SA	South Area
SARA	Superfund Amendment and Reauthorization Act
SCBA	Self-Contained Breathing Apparatus
scfh	Standard cubic feet per hour



## List Of Acronyms And Abbreviations

<b>Acronym or Abbreviation</b>	<b>Description</b>
scfm	Standard cubic feet per minute
SDF	Spent Decontamination Fluid (LNSC)
SDS	Spent Decontamination Solution (General)
SEG	Segregation Area
SLC	Salt Lake City
SMF	Site Medical Facility
SOP	Standing Operating Procedure
sp gr	specific gravity
SPCCP	Spill Prevention Control and Countermeasures Plan
SPORT	Single Pallet Only Rocket Transporter
SRC	Single Round Container
SRF	Service Response Force
SRS	Size Reduction System
SSCC	South Area Security Control
STB/HTH	Super Tropical Bleach/High Test Hypochlorite (Decontaminating Solutions)
STC	Science and Technology Corporation
STN	Station
SWPPP	Storm Water Pollution Prevention Plan
TAG-1	Toxic Area Gate-1
TAP	Toxicological Agent Protective
TC	Ton Container
TCA	Tooele Chemical Activity
TCLP	Toxicity Characteristic Leaching Procedure
TDP	Technical Data Package
TDS	Total Dissolved solids
TEAD	Tooele Army Depot
TEAD-S	Tooele Army Depot - South Area
TFE	Teflon
TMF	Toxic Maintenance Facility
TNT	Trinitrotoluene
TOC	Total Organic Carbon
TOCDF	Tooele Chemical Disposal Facility
TS	Total Solids
TSDF	Treatment, Storage, and Disposal Facility
TWA	Time Weighted Average
UAC	Utah Administrative Code
UDSHW	Utah Division of Solid and Hazardous Waste
UHWMR	Utah Hazardous Waste Management Regulations
UPA	Unpack Area
UPDES	Utah Pollution Discharge Elimination System
USACAMDS	U.S. Army Chemical Agent Munitions Disposal System
USAMC	U.S. Army Materiel Command
VSA	Ventilated Storage Area
VX	O-ethyl S-(2-diisopropylaminoethyl) methylphosphonothiolate

List Of Acronyms And Abbreviations	
Acronym or Abbreviation	Description
WL	Waste liquids
WNRC	Washington National Records Center
XO	Executive Officer
ZHE	Zero Head Space Analysis